

CURRICULUM VITAE

RICK ALLAN BEVINS, PH.D.

*Willa Cather Professor &
Chair of Psychology*

EDUCATION

- 1989 B.S. Jacksonville State University, Jacksonville, AL 36265
Major: Psychology Minor: English
Research Mentor: Dr. W. L. Palya
- 1993 Ph.D. University of Massachusetts, Amherst, MA 01003
Program: Neuroscience & Behavior Specialty: Associative Learning
Research Mentor: Dr. J. J. B. Ayres
- 1996 Post-doc University of Kentucky, Lexington, KY 40506
Specialty: Psychopharmacology and Substance Abuse
Research Mentor: Dr. M. T. Bardo

ACADEMIC POSITIONS

- 2006 – *Professor*, Department of Psychology (tenured), University of Nebraska-Lincoln (UNL). *Courtesy Appointment* in School of Biological Sciences. *Member* of UNMC Buffett Cancer Center (Cancer Prevention and Control Program), University of Nebraska Center for Environmental Health and Toxicology, The Nebraska Center for Substance Abuse Research (since 2014), Mentor and Senior Affiliate of Center for Rural Drug Use (since 2015)
- 2012 – *Willa Cather Professor*, UNL
- 2011 – 2012 *Carl A. Happold Professor*, UNL
- 2002 – 2003 *Visiting Associate Professor*, Department of Behavioral Neuroscience, Oregon Health & Science University
- 2001 – 2006 *Associate Professor*, Department of Psychology (tenured), UNL. *Courtesy Appointment* in School of Biological Sciences. *Member* of UNMC Buffett Cancer Center (Cancer Prevention and Control Program) and University of Nebraska Center for Environmental Health and Toxicology
- 1996 – 2001 *Assistant Professor*, Department of Psychology, UNL. *Courtesy Appointment* in School of Biological Sciences. *Member* of UNMC Eppley Institute for Research in Cancer (Cancer Prevention and Control Program)

ADMINISTRATIVE APPOINTMENTS

The **University of Nebraska-Lincoln** (UNL) is the comprehensive and land-grant, public research university for the state. As Nebraska's flagship school, there are just over 25,000 students and 1,700 faculty members. UNL is a member of the Big Ten and the Carnegie classification of Institutes of Higher Education ranks UNL as Research I.

2012 – *Chair, Department of Psychology, UNL*

In advancing the research, teaching, and engagement missions of the Psychology Department at UNL, my responsibilities include oversight of a yearly overall budget near 15M, including foundation and research-related dollars. There are 31 faculty members (28.7 FTE) actively training nearly 100 graduate students in five cross-cutting program areas, including an APA accredited clinical training program; several Lecturers are also hired each semester. The Department is the largest major in the College of Arts and Sciences with nearly 940 undergraduate students. There are 5 FTE administrative staff, as well as a business manager, 3 professional advisors, and 2 Associate Chairs that support daily operations.

- Improved effectiveness and efficiencies of the office support by creating a business manager position and restructuring staff assignments and duties
- Overseeing and implementing a complete revision and restructuring of Department's Strategic Plan designed to further enhance "local, national, and international visibility"
- Deepening support of the undergraduate student majors by creating and hiring two additional professional advisor and collaboratively implementing a learning community for incoming freshman
- Expanded faculty research capacity by developing and implementing a 5-year plan to change the teaching load for active research faculty from 4 courses per year to 3 courses
- Implemented a plan to absorb and distribute budget cuts from the loss of distance education money (\$250,000) in a manner that minimized the impacts on our majors/SCH production (see next)
- Successfully negotiated to move 1.98 FTE of staff salaries from soft money support in the Department to more permanent dollars from the Dean's Office after the budget cuts
- Strategic hiring of faculty (8 to date) in support of interdisciplinary cross-unit research efforts, to meet demands of a growing major; this marks an all-time high for FTE in the Department
- Organized and implemented a plan that streamlined and modernized the undergraduate major in a manner that improved common educational experiences, while gaining administrative and teaching efficiencies
- Met the needs of undergraduate students in a major that grew from 840 to 934 majors (ca. 11%) in last 3 years; growth that outstrips UNL overall (minors have grown to 649)
- Developing a major in neuroscience that will leverage existing strengths and fill an instructional need, while creating additional research and engagement opportunities for students and faculty

2003 – 2011 *Vice Chair, Department of Psychology, UNL*

Developed course schedule each semester, aided in teaching assignments, enhanced efficiencies in course offerings, served on Department Executive Committee, aided in faculty evaluations and salary recommendations, updated Bylaws, Chair of the Promotion and Tenure Committee, aided in two Academic Program Reviews, helped develop and implement policies to enhance research productivity, resolved issues with academic dishonesty, managed book and journal requests as library liaison, served on Undergraduate Issues Committee, conducted committee elections

2003 – 2011 *Neuroscience & Behavior Area Director, Department of Psychology, UNL*

Managed yearly graduate student admissions for the program, negotiated with Department Chair for assistantship support, advocated for program initiatives and hiring, served on Graduate

Executive Committee, and coordinated graduate course offerings from the faculty members in the program. The program grew from 2.2 to 5.2 FTE in this time; a trend that continues with 8 FTE.

- 2001 – 2002 *Vice Chair*, Department of Psychology, UNL
Served one year in this position before taking a faculty development leave (i.e., sabbatical) at Oregon Health Sciences University. Upon return, I resumed duties from 2003-2011 (see earlier).

OTHER LEADERSHIP ACCOMPLISHMENTS/DEVELOPMENT

- 2006 – *Coordinator*, Substance Abuse Research Cluster (SARC)
Co-coordinator, Substance Abuse and Violence Initiative (SAVI)
SARC was originally founded with cluster funding from the UNL Office of Research and Economic Development. In the earlier years, SARC strategically increased and strengthened collaborations on substance abuse, identified unexplored transdisciplinary research areas, and enhanced capacity to provide innovate and cutting-edge training in translational substance abuse research. In these efforts, the convergent areas of trauma, violence, and substance abuse was identified as an area of unique strengths and potential. To recognize this shift, the cluster was officially changed in 2010 to the Substance Abuse and Violence Initiative (SAVI). This initiative involves nearly 80 investigators at 6 research/higher education institutions.
- 2012 – *Founding Coordinator*, Minority Health Disparities Initiative
Chair, Advisory Board
Coordinated the efforts to meet the primary objective of the Minority Health Disparities Initiative (MHDI) which is to identify and strengthen the infrastructure, as well as the network of investigators and practitioners addressing critical health disparities issues to the state and the nation. With the hiring of a coordinator with a substantive research program in this area in 2014, I now serve as Chair of the Advisory Board. This initiative involves 100s of researchers and practitioners, as well as community and government organizations across the state of Nebraska. A subgroup of investigators submitted in January of 2016 an 11.2 million dollar grant to establish the “The Nebraska Center on Rural Drug Use” (NIH COBRE mechanism).
- 2013 – 2014 *Invited Participant*
Big 10 Committee on Institutional Cooperation (CIC) leadership development programs for Department Executive Officers (DEOs)
- 2015 – *Member*, DEO Advisory Committee
The Senior Vice Chancellor for Academic Affairs at UNL supports a DEO Brownbag Series for professional development of Chairs and Directors. Along with attending most seminars, I led a discussion on time management, as well as participated in the DiSC Profile Assessment Workshop; classical pattern was Creative with segment numbers being D(6), i(3), S(2), C(5).

OTHER UNIVERSITY LEADERSHIP, SERVICE, & ADMINISTRATION

- 2000 – 2001 *Interim Chair* of Undergraduate Issues Committee, Psychology Department, UNL
2000 – 2009 *Member*, Department Colloquium Committee
2001 *Review Panel*: UNL Biomedical Research Development Proposals
2003 – 2011 *Member*, Nebraska Symposium on Motivation Committee
2004 *Chair*, Search Committee, Faculty in Behavioral Neuroscience, Psychology Department
2004 – 2006 *Member*, Institute for Animal Care and Use Committee

- 2005 – 2008 Member, Faculty Instructional Development Committee, College of Arts & Sciences
- 2006 – 2011 Alternate Member, Institute for Animal Care and Use Committee
- 2006 Member, Search Committee, Faculty in Cognitive Science, Psychology Department
- 2007 Reviewer, UNL Strategic Research Cluster Proposals
- 2008 – 2009 Member, Search Committee, Latino/a Research Scholar, Psychology Department
- 2008 Chair, Search Committee, Substance Use & Addiction, Psychology Department
- 2008 – 2014 Member, NU Grant Advisory Board, Office of Research & Economic Development
- 2008 – 2009 Member, Coordinating Committee, NSF IGERT on Systems Biology of Social Behavior
- 2008 – Member, Life Science Curriculum Advisory Council
- 2009 Member, Search Committee, Systems Biology of Social Behavior, home department open
- 2010 – 2013 Member, Research Advisory Board, Office of Research & Economic Development
- 2010 – 2011 Member, Working Group for Animal Research Facility Management & Business Plan
- 2010 – 2013 Member, Executive Planning Team, Center for Brain, Biology and Behavior (CB³)
- 2012 – 2014 Member, Steering Committee for Social and Behavioral Science Research Initiative
- 2012 – Member, Council of Graduate Departments of Psychology
- 2013 – Member, Executive Council, Center for Brain, Biology and Behavior (CB³)
- 2014 Member, Search Committee, Associate Dean for Research, College of Arts & Sciences
- 2014 Member, Search Committee, Associate Dean for Academic Programs, CAS
- 2015 Chair, Search Committee, Associate Dean for Faculty, College of Arts & Sciences
- 2015 – Chairs' Representative, Chancellor's Faculty Compensation Advisory Committee
- 2015 – Member, Department Executive Office (DEO) Advisory Committee, Senior Vice Chancellor of Academic Affairs
- 2015 – Advisory Board Member, Nebraska Center for Substance Abuse Research
- 2015-2016 Member, Committee for College of Arts and Sciences Proposal for Differential Tuition

DISCIPLINE LEADERSHIP & SERVICE

Professional Societies

- 2003 – 2007 Program Co-chair, Winter Conference on Animal Learning & Behavior
- 2006 Submission Reviewer, Society for Research on Nicotine and Tobacco
- 2007 Submission Reviewer, Society for Research on Nicotine and Tobacco
- 2007 – 2010 Program Committee, Midwestern Psychological Association
- 2007 – 2008 Chair, Membership & Growth Committee, Division 6, American Psychological Association
- 2007 – 2008 Member, Executive Committee, Division 6, American Psychological Association
- 2008 – 2013 Program Committee, Winter Conference on Animal Learning & Behavior
- 2009 – Reviewer, APF's FJ McGuigan Dissertation Award Committee
- 2010 – 2011 Scientific Directorate Liaison, Division 28, American Psychological Association
- 2010 – Member, Executive Committee, Division 28, American Psychological Association
- 2012 President, Division 28, American Psychological Association
- 2013 Submission Reviewer, Society for Research on Nicotine and Tobacco
- 2013 – Scientific Directorate Liaison, Division 28, American Psychological Association
- 2016 Nominee for American Psychological Association Board of Scientific Affairs

Grants and Extramural Workshops

1995	NSF Proposal Reviewer
2002	NIH (NCRR) Site Visit Reviewer
2002, 2003	NIH (ZRG1 SSS-C-04) Panel Reviewer
2003, 2006	NIH (NIDA & NIMH) B/Start Proposal Reviewer
2004	NIH/NIMH (BRB-S-07) Panel Reviewer
2004	NIH/NIMH (BRB-S-09) Panel Reviewer
2004, 2009	NIH CEBRA Proposal Reviewer
2005	NIH (ZMH1-ERB-S-05) Proposal Reviewer
2004, 2005	NIH (BRLE) Panel Reviewer
2005	NIH (ZMH1-ERB-S-06) Proposal Reviewer
2005	NIH (NIDA-K) Panel Reviewer
2006	United Kingdom Medical Research Council Grant Reviewer
2006, 2007	NIH (NIDA-K) Panel Reviewer
2006	NIH (BRLE) Panel Reviewer
2007	NIH (ZDA1 NXR-B-10) Proposal Reviewer
2007 – 2011	NIH (Biobehavioral Regulation, Learning & Ethology Study Section) Standing Member
2009	NIAAA (Extramural Advisory Board on Stress & Alcohol Relapse) Invited Participant
2009	NIDA (Workshop on <i>Validation of in vivo Screening for Drug Discovery and Development: Focus on Smoking Cessation</i>) Invited Participant
2009, 2010	NIH (NIDA & NIMH) B/Start Proposal Reviewer
2009, 2010	State of Nebraska & Creighton University (LB595 Grants)
2011	NIH (ZAA1 DD (50)) INIA West Reverse Site Visit and Review
2011	NIH (ZGM1 MBRS-8[SC]) Proposal Reviewer
2012	NIH (ZRG1 BBBP-T 04) Proposal Reviewer
2012	NIH (N01DA-13-8908) Proposal Reviewer
2013	NIH (ZRG1 BBBP-D 02) Proposal Reviewer
2013	NIDA SBIR Concept Review: Bundling services for designing rigorous animal studies
2013	NIH (BRLE) Panel Reviewer
2014	NIDA (N43DA-14-1208) Review: Bundling services for designing rigorous animal studies
2014	NIH (ZRG1 BBBP-Y 03) Chair and Panel Reviewer
2014, 2016	Netherlands Organisation for Scientific Research, Proposal Reviewer
2016	NIAAA (ZAA1 CC-02) INIA Neuroimmune Reverse Site Visit and Review
2016	NIAAA (ZAA1 CC-01) INIA Stress Reverse Site Visit and Review (date to be determined)
2014 – 2020	NIH (Neurobiology of Motivated Behavior) Standing Member

Editorial:

2007 – 2010	Section Editor, <i>Encyclopedia of Behavioral Neuroscience</i>
2009 –	Editorial Advisory Board, <i>ACS Chemical Neuroscience</i>
2010 –	Editor for Behavior Pharmacology and Neuroscience, <i>Journal of the Experimental Analysis of Behavior</i>
2012 –	Associate Editor for Motivated Behavior, <i>Pharmacology Biochemistry & Behavior</i>

Journal Reviewer:

- Acta Biochimica et Biophysica Sinica
- Behavioural Brain Research
- Behavioral Neuroscience
- Behavioural Pharmacology
- Behavioural Processes
- Biological Psychiatry
- Brain Research
- Developmental Psychobiology
- Experimental and Clinical Psychopharm
- Integrative Physiological & Behav Science
- International Jn Comparative Psychology
- JEP: Animal Behavior Processes
- Jn of Pharmacology & Exper Therapeutics
- Neurotoxicology & Teratology
- Biochemical Pharmacology
- Current Drug Abuse Reviews
- Pharmacological Reports
- European Journal of Neuroscience
- Alcoholism: Clinical & Exp Research
- Learning & Behavior
- Learning and Motivation
- Life Sciences
- Neurobiology of Learning and Memory
- Neuroparmacology
- Neuropsychopharmacology
- Neuroscience Letters
- Nicotine & Tobacco Research
- Pharmacology Biochemistry & Behavior
- Physiology & Behavior
- Psychopharmacology
- Synapse
- Nature Protocols
- Neuroscience
- Journal of Neuroscience
- Quarterly Jn of Experimental Psychology
- Molecular Neurobiology
- Drug and Alcohol Dependence
- Jn of Pharmacy and Pharmacology
- Jn Exper Analysis of Behavior
- Progress Neuro-Psychopharm & Bio Psychiatry
- Naturwissenschaften
- PLoS-ONE
- Neuroscience & Biobehavioral Reviews
- Annali dell'Istituto Superiore di Sanità (Annals of the Institute of Health, Italy)
- Cost Effectiveness and Resource Allocation
- Learning and Memory
- Psychonomic Bulletin & Review

AWARDS/RECOGNITION

- 1998 Sigma Xi Outstanding Young Scientist Award, University of Nebraska Chapter
- 2001 Recognition for Contribution to Students, Parents Association & Teaching Council (UNL)
- 2004 Recognition as Muse for Mortar Board member Steve Wiltgen
- 2005 Psychology Department Faculty Member of the Year, Psi Chi and Undergraduate Psychology Organization
- 2006 Recognition for Contribution to Students, Parents Association & Teaching Council (UNL)
- 2006 Recognition as Muse for Mortar Board member Jill Rosno
- 2006 Fellow of the American Psychological Association, Division 6 (Behavioral Neuroscience & Comparative Psychology)
- 2007 Fellow of the American Psychological Association, Division 28 (Psychopharmacology & Substance Abuse)
- 2008 College of Arts & Sciences Award for Outstanding Research & Creative Achievement in the Social Sciences (UNL)
- 2009 Dean's Award for Excellence in Graduate Education (UNL)
- 2009 Sigma Xi Outstanding Scientist Award, University of Nebraska Chapter
- 2011 Fellow of the Midwestern Psychological Association
- 2014 UNL's May Graduate Commencement and Hooding Speech "CRASH! SMASH! BASH!"
<https://www.youtube.com/watch?v=MVYknXFr6WA&sns=tw>

RESEARCH PROGRAM (Summary)

My research program bridges areas of neuroscience, pharmacology, animal learning and cognition, and psychology. My research team uses preclinical animal models to elucidate the behavioral, neural, and pharmacological factors involved in the etiology of drug abuse. One arm of this research program investigates how behavioral and neuropharmacological processes involved in the perceptibility of a drug stimulus and the behavior it controls changes with learning history. For nicotine, recent research implicates $\alpha 4\beta 2$ -containing nicotinic acetylcholine receptors and the dorsal medial striatum in acquired appetitive behaviors controlled by the nicotine stimulus. Other empirical efforts focus on novel immune- and pharmacotherapy approaches for nicotine and methamphetamine addiction, understanding the reward-enhancing effects of drugs using behavioral economics, and development of more translationally relevant animal models of addiction. We are also extending these arms of the research program to include sex differences and nicotine-alcohol interaction.

EXTRAMURAL FUNDING

Current:

NIH (R01 DA034389): "Pharmacological interventions for diminishing nicotine associated responding": 06.01.12 to 05.31.17: \$1,521,087 (Role: PI; 100% F&A; 1.3 cal mo).

NIH (R21 DA039356): "The interplay between interoception, learning, and relapse risk" 06.01.16 to 05.31.18: contract portion \$196,435 (Role: multi-PI; 100% F&A; 1.2 cal mo).

NIH (R01 DA042379) "Role of extracellular vesicles in methamphetamine mediated neurotoxicity" start 09.01.16; our component 07.01.18 to 06.30.20: \$234,460 (Role: co-PI; 100% F&A; 0.5 cal mo).

Pending:

NIH (R01) "Nicotine, interoceptive conditioning, and abuse liability" 04.01.17 to 03.31.22: \$1,877,849 (Role: PI; 100% F&A; 1.5 cal mo)

NIH (COBRE) "The Nebraska Center on Rural Drug Use" 12.01.16 to 11.30.21: \$11,292,387 (Role: Associate Director & Project Mentor; 15% F&A; 1 cal mo)

NIH (R01) "Targeting inflammation at the synapse in HAND: Import of synaptic PEBP1" 04.01.17 to 03.31.19: \$334,160 (Role: co-I; 100% F&A; 0.5 cal mo)

Past:

NIH (F32-DA05623): National Research Service Award: "Morphine conditioning of activity using taste cues" 02.01.95 to 07.31.96: \$36,280 (Sponsor: Bardo)

Nebraska DHHS (LB506 1997) "Individual differences in reactivity to nicotine" 07.01.97 to 06.30.98: \$25,800 (Role: PI)

NIH (R03-MH57240): "Novelty reward: Behavioral and neural substrates" 04.01.97 to 03.31.99: \$31,709 (Role: PI)

Nebraska DHHS (LB506 1999): "Dopamine and conditioned associations with nicotine" 07.01.99 to 12.31.00: \$29,950 (Role: PI)

NIH (Research Supplement for DA011893): "Pavlovian conditioning processes involving nicotine" 06.01.00 to 05.31.02: \$55,510 (Role: PI)

Nebraska DHHS (LB506 2001): "Cue competition and acquired associations with nicotine" 07.01.01 to 06.30.02: \$35,977 (Role: PI)

NIH: (R01-DA011893): "Pavlovian conditioning processes involving nicotine 06.01.99 to 10.31.03: \$325,278 (Role: PI)

NIH (R41-DA016843): "A peptide-based vaccine to nicotine" 03.01.04 to 02.28.06: \$62,653 (Role: Co-Investigator)

NIH (Summer Internship Supplement to DA018114): "Transdisciplinary research in the bio-behavioral processes of nicotine dependence" 06.04.07 to 08.10.07: \$5,670 (Role: PI)

NIH (R03-DA017086): "Reference-dose method and cocaine-conditioned choice," 03.15.05 to 03.14.08: \$144,000 (Role: PI)

NIH (R01-CA102259): "Development of peptide-based vaccines to nicotine" 08.01.04 to 06.30.08: UNL portion \$271,200 (Role: Co-Investigator)

NIH (R21-DA023951): "Altering nicotine reward through conditioning" 07.01.08 to 06.30.11: \$339,528 (Role: PI; 100% F&A)

Nebraska DHHS (LB506 2011): "Iptakalim for nicotine use in schizophrenia: A preclinical test" 06.01.10 to 06.30.11: \$40,000 (Role: co-I; 0.45/0.15 cal mo academic/summer)

Nebraska DHHS (NEB-2012-01B): "Reward learning with nicotine: female/male differences" 07.01.11 to 06.30.12: \$39,930 (Role: PI; no F&A)

NIH (R01- DA018114): "Acquired appetitive properties of nicotine" 07.01.04 to 07.31.12: \$1,409,114 (Role: PI; 100% F&A)

Nebraska DHHS (NEB-2014-04B): "Sex differences in nicotine addiction-Deciphering the synapse" 07.01.13 to 06.30.14: \$10,884 (Role: co-I; behavioral assays)

Nebraska DHHS (LB506 2015): "Nicotine enhancement of alcohol seeking" 07.01.15 to 06.30.16: \$47,900 (Role: PI; no F&A).

INTRAMURAL FUNDING

Current:

Nebraska Research Initiative 2015 "Aging and NeuroAIDS: A systems biology approach to decode the synapse" 07.01.15 to 06.30.17: \$100,000 (Role: co-I)

Pending:

None

Past:

Summer Research Fellow: UNL Research Council, "Acquisition of an environment-nicotine association: Important behavioral parameters," Summer 1997: \$6,500 (Role: PI)

Research Grant-in-Aid: UNL Research Council, "Assessment of behavioral parameters in the acquisition of an environment-nicotine association in rats," 01.01.97 to 12.31.97: \$2,995 (Role: PI)

Faculty Layman Award: "Novelty seeking and reward: Developing an animal model," 05.01.97 to 04.30.98: \$3,974 (Role: PI)

Research Grant-in-Aid: UNL Research Council, "Interaction between the rewarding effects of cocaine and novelty," 01.01.99 to 12.31.99: \$3,994 (Role: PI)

Faculty Layman Award: "Effects of caffeine pre-exposure on learned associations with nicotine," 05.01.99 to 12.31.00: \$7,231 (Role: PI)

UNMC College of Dentistry Seed Grant: "Chronic pre-exposure to caffeine and neurobehavioral interactions with nicotine and amphetamine," 06.12.00 to 06.30.01: \$4,426 (Dr. E. Fung, PI)

Interdisciplinary Research Grant: UNL Research Council, "Development of a vaccine pharmacotherapy for methamphetamine abuse," 01.01.02 to 12.31.03: \$16,788 (Role: PI)

Faculty Seed Grant: UNL Research Council, "Nicotine as a conditional stimulus: Testing an animal model," 01.01.04 to 12.31.04: \$9,895 (Role: PI)

Faculty Layman Award: "Persistent avoidance responding as an animal model of schizophrenia," 06.01.06 to 07.31.07: \$9,995 (Role: Co-I; Dr. M. Li, PI)

UNL Strategic Research Cluster Grant: "Building translational capacity of the Substance Abuse Research Cluster (SARC)," 07.01.06 to 06.30.10: \$160,000 (Role: PI)

UNL/UNMC Biomedical Research Grant: "Bupropion in the treatment of methamphetamine dependence," 06.01.07 to 05.31.10: \$94,046 (Role: PI on UNL portion)

UNL/UNMC Cost Sharing. "Continuing the translational research and training efforts of SARC [Substance Abuse Research Cluster]" 01.01.09 to 12.31.10: \$70,000 (Role: dual-PI with Grant KM)

Minority Health Grant (UNL Tobacco Settlement Funds) "Risk and protective factors for rural methamphetamine dependence" 03.31.10 to 06.30.11: \$73,391 with \$23,391 budgeted to directly support SARC (Role: co-I on research; PI on SARC)

Program of Excellence: "Behavioral Health" May 2009 to August 2012 (Role: Associate Director)
 Cluster Grant (Vice Chancellor for Research and Economic Development) "Substance Abuse and Violence Initiative (SAVI)": 10.01.11 to 09.30.13: \$78,330 (Role: co-I)
 Layman: New Direction (UNL) "Neurocognitive deficits induced by exposure to a blast wave" 06.01.12 to 06.30.14: \$15,375 (Role: PI)
 Nebraska Research Initiative 2012 "Strategies to prevent relapse in chronic methamphetamine abusers" 07.01.12 to 06.30.14: \$100,000 (Role: co-I, behavioral assays)

PUBLICATIONS (📖 = non-refereed)

1990

1. Palya WL & **Bevins RA** (1990) Serial conditioning as a function of stimulus, response, and temporal dependencies. *Journal of the Experimental Analysis of Behavior*, 53, 65-85.

1991

2. **Bevins RA** & Ayres JJB (1991) Two issues in Pavlovian fear conditioning: Selective fear of bright vs. dark, and CS determinants of CR form. *Behavioural Processes*, 24, 211-218.

1992

3. **Bevins RA** (1992) Selective association: A methodological critique. *The Psychological Record*, 42, 57-73.
4. **Bevins RA** & Ayres JJB (1992) One-trial backward excitatory fear conditioning transfers across contexts. *Behaviour Research and Therapy*, 30, 551-554.
5. **Bevins RA** & Ayres JJB (1992) Rats' location during conditioned suppression training. *Animal Learning & Behavior*, 20, 8-16.

1993

6. Albert M, Ricker S, **Bevins RA**, & Ayres, JJB (1993) Extending continuous versus discontinuous conditioned stimuli before versus after unconditioned stimuli. *Journal of Experimental Psychology: Animal Behavior Processes*, 19, 255-264.

1994

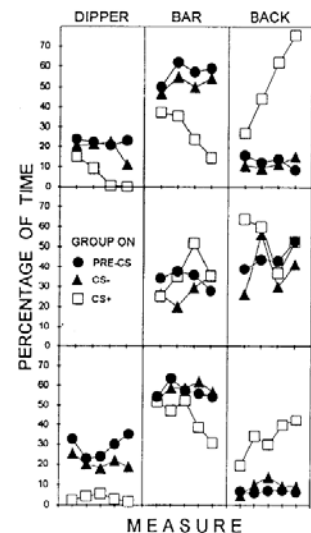
7. **Bevins RA** & Ayres JJB (1994) Factors affecting rats' location during conditioned suppression training. *Animal Learning & Behavior*, 22, 302-308. **see inset image
8. **Bevins RA** & Ayres JJB (1994) A deficit in one-trial context fear conditioning is not due to opioid analgesia. *Pharmacology, Biochemistry and Behavior*, 49, 183-186. [DOI: 10.1016/0091-3057(94)90474-X; PMID: 7816871]

1995

9. **Bevins RA** & Ayres JJB (1995) One-trial context fear conditioning as a function of the interstimulus interval. *Animal Learning & Behavior*, 23, 400-410.
10. **Bevins RA**, Valone JM, Bradley M, & Bardo MT (1995) Morphine taste conditioning and analgesia: Assessing conditioned and novelty-induced analgesia. *Experimental and Clinical Psychopharmacology*, 3, 9-14.

1996

11. Kim SD, Rivers S, **Bevins RA**, & Ayres JJB (1996) Conditioned stimulus determinants of conditioned response form in Pavlovian fear conditioning. *Journal of Experimental Psychology: Animal Behavior Processes*, 22, 87-104.
12. **Bevins RA**, Delzer TA, & Bardo MT (1996) Characterization of the conditioned taste aversion produced by 7-OH-DPAT in rats. *Pharmacology, Biochemistry and Behavior*, 53, 695-699.



13. **Bevins RA**, Delzer TA, & Bardo MT (1996) Second-order conditioning detects unexpressed morphine-induced salt aversion. *Animal Learning & Behavior*, 24, 221-229.

1997

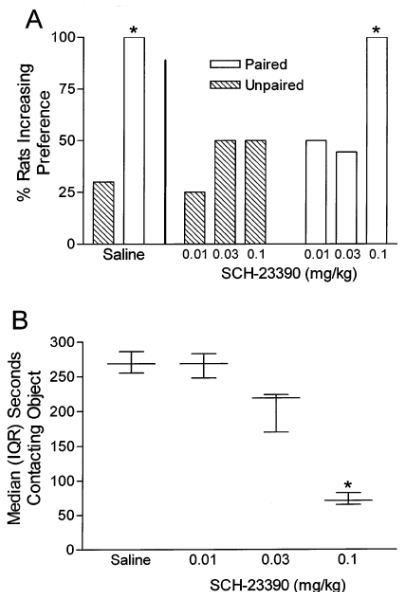
14. **Bevins RA**, Delzer TA, & Bardo MT (1997) Unexpressed morphine conditioned salt aversion: procedural variants and hypertonicity of salt. *Behavioural Processes*, 40, 129-136.
15. **Bevins RA**, McPhee JE, Rauhut AS, & Ayres JJB (1997) Converging evidence for one-trial context fear conditioning with an immediate shock: Importance of shock potency. *Journal of Experimental Psychology: Animal Behavior Processes*, 23, 312-324.
16. **Bevins RA**, Klebaur JE, & Bardo MT (1997) Individual differences in response to novelty, amphetamine-induced activity and drug discrimination in rats. *Behavioural Pharmacology*, 8, 113-123.
17. **Bevins RA**, Klebaur JE, & Bardo MT (1997) 7-OH-DPAT has *d*-amphetamine-like discriminative stimulus properties. *Pharmacology, Biochemistry and Behavior*, 58, 485-490.
18. Burgos JE & **Bevins RA** (1997) The *P*-system: A scheme for organizing Pavlovian procedures. *Behavior Research Methods, Instruments, & Computers*, 29, 473-483.
19. Bardo MT, **Bevins RA**, Klebaur JE, Crooks PA, & Dwoskin LP (1997) (-)-Nornicotine partially substitutes for (+)-amphetamine in a drug discrimination paradigm in rats. *Pharmacology, Biochemistry and Behavior*, 58, 1083-1087.

1998

20. **Bevins RA** & Bardo MT (1998) Morphine conditioned changes in locomotor activity: Role of the conditioned stimulus. *Experimental and Clinical Psychopharmacology*, 6, 131-138.

1999



21. **Bevins RA** & Bardo MT (1999) Conditioned increase in place preference by access to novel objects: Antagonism by MK-801. *Behavioural Brain Research*, 99, 53-60.
22. Bardo MT, Valone JM, & **Bevins RA** (1999) Locomotion and conditioned place preference produced by acute intravenous amphetamine: Role of dopamine receptors and individual differences in amphetamine self-administration. *Psychopharmacology*, 143, 39-46.
23. Besheer J, Jensen HC, & **Bevins RA** (1999) Dopamine antagonism in a novel-object preference and a novel-object place conditioning preparation with rats. *Behavioural Brain Research*, 103, 35-44.
**see inset image
24. **Bevins RA**, Jensen HC, Hinze TS, & Besheer J (1999) Taste quality and extinction of a conditioned taste aversion in rats. *Animal Learning & Behavior*, 27, 358-366.





2000

25. Bardo MT & **Bevins RA** (2000) Conditioned place preference: What does it add to our preclinical understanding of drug reward? *Psychopharmacology*, 153, 31-43.
26. Besheer J & **Bevins RA** (2000) The role of environmental familiarization in novel-object preference. *Behavioural Processes*, 50, 19-29.
27. Besheer J & **Bevins RA** (2000) Nicotine enhances acquisition of a T-maze visual discrimination: Assessment of individual differences. *Behavioural Pharmacology*, 11, 613-620.
28. **Bevins RA**, Rauhut AS, McPhee JE, & Ayres JJB (2000) One-trial context fear conditioning with immediate shock: The roles of transport and context cues. *Animal Learning & Behavior*, 28, 162-171.

2001

29. Besheer J, Short KR, & **Bevins RA** (2001) Dopaminergic and cholinergic antagonism in a novel-object preference task in rats. *Behavioural Brain Research*, 126, 211-217.
30.  **Bevins RA** (2001) Novelty seeking and reward: Implications for the study of high-risk behaviors. *Current Directions in Psychological Science*, 10, 189-193.
31. **Bevins RA**, Koznarova J, & Armiger TJ (2001) Environmental familiarization in rats: Differential effects of acute and chronic nicotine. *Neurobiology of Learning and Memory*, 75, 63-76.
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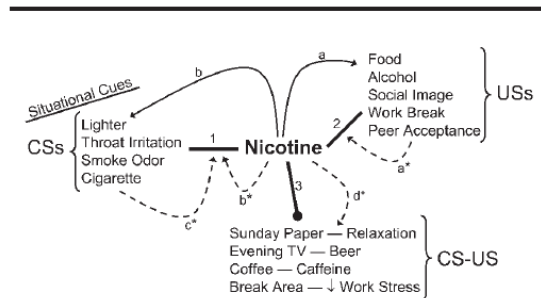
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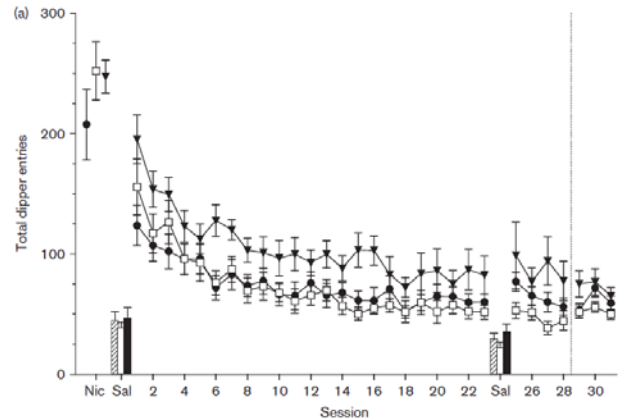
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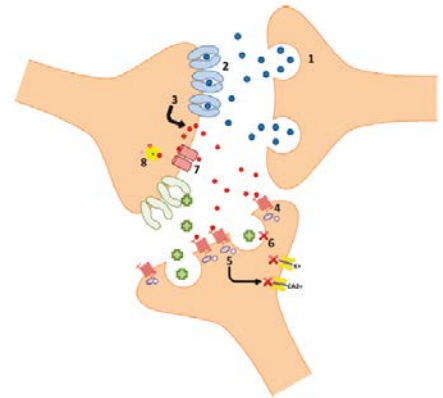
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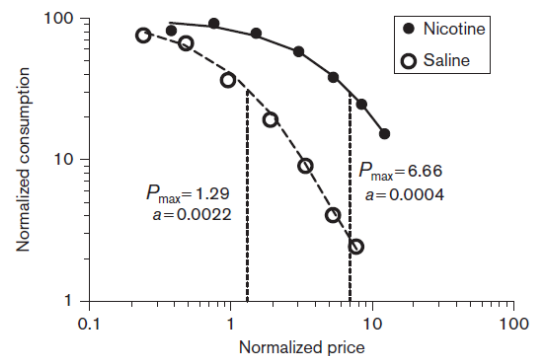
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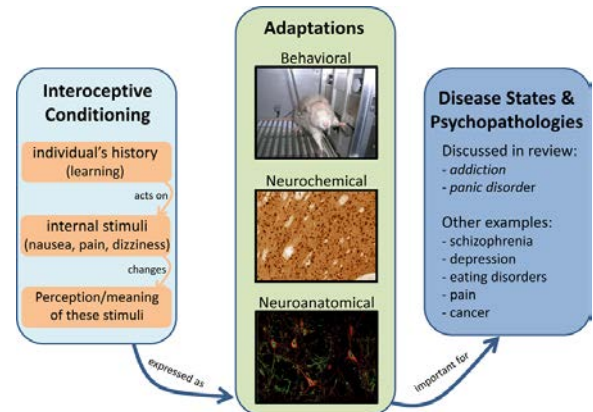
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2015

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2016/in press

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131. Charntikov S, Falco AM, Fink K, Dwoskin LP, & **Bevins RA** (in press) Sazetidine-A in combination with other ligands affects appetitive responding controlled by nicotine: Import of sex. *Neuropharmacology*
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- Charntikov S, Pittenger ST, Swalve N, Li M, **Bevins RA** (submitted) Double dissociation of the anterior and posterior dorsomedial caudate-putamen in the acquisition and expression of associative learning with the nicotine stimulus. *Neuropsychopharmacology*.
- Meays BM, Simpson JL, Ramos A, **Bevins RA**, Carlo G, & Grant KM (submitted) Children exposed to methamphetamine. *American Journal on Addictions*

BOOKS

- Bevins RA** & Bardo MT, Eds. (2004) *Volume 50 of the Nebraska Symposium on Motivation: Motivational Factors in the Etiology of Drug Abuse*. Participants: Bardo M, Bevins R, de Wit H, Koob G, Panksepp J, Spealman R, Stewart J, Vogel-Sprott M, & Wise R. Lincoln: University of Nebraska Press.
- Bevins RA** & Caggiula AR, Eds. (2009) *Volume 55 of the Nebraska Symposium on Motivation: The Motivational Impact of Nicotine and its Role in Tobacco Use*. Participants: Bardo M, Bevins R, Caggiula A, Dani J, Dwoskin D, Markou A, Perkins K, Picciotto M, Rose J, Schnur P, & Tiffany S. New York: Springer.

INVITED PRESENTATIONS

1994-1999

- Self-administration and drug reward: Cocaine and amphetamine examples. (1994, October) Center for Prevention Research, University of Kentucky, Lexington KY.
- Individual differences in the subjective and rewarding effects of drugs of abuse. (1995, October) Center for Prevention Research, University of Kentucky, Lexington KY.
- Associative processes in one-trial context conditioning. (1996, October) Fall 1996 Meeting of the Nebraska Behavioral Biology Group, NE.
- Individual differences and the psychomotor effects of nicotine. (1998, March) Department of Pharmacology, University of Nebraska Medical Center, Omaha NE.
- Novelty seeking and reward: Implications for drug abuse (1999, April) Psychology Department, Grinnell College, Grinnell IA.
- Behavioral and neural substrates mediating novelty preference and reward (1999, May) Neuroscience & Behavior Program, University of Massachusetts, Amherst MA.
- Novelty: Seeking, reward, & mediating processes (1999, May) New England Regional Primate Research Center, Harvard Medical School, Southborough MA
- Neural substrates for conditioned behavioral responses to novelty (1999, June) In a symposium entitled Motives for Behavior: From Neurobiological to Cognitive Perspectives (Sponsored by the National Institute on Drug Abuse at the 1999 APS Conference) Denver CO.

2000-2004

- Conditioned associations with nicotine: Behavioral and neural processes (2000, March) Department of Psychology, University of Missouri, Columbia MO.
- Nicotine and learning (2000, May) 72nd Annual Meeting of the Midwestern Psychological Association, Chicago IL.

- Novelty seeking and reward: Implications for high-risk behaviors (2000, June) Annual Meeting of the American Psychological Society, Miami Beach, FL.
- Place conditioning: Understanding the motivational impact of stimuli (2001, June) Research Society on Alcoholism, Montreal, Canada.
- Pavlovian conditioning processes involving nicotine (2002, October) Department of Behavioral Neuroscience, Oregon Health & Science University, Portland OR.
- Preclinical models of associative learning processes involving nicotine (2004, May) Veterans Administration Research Service Seminar, Omaha NE.
- Extending the role of associative learning processes in drug abuse (2004, May) Brooklyn College, Brooklyn NY.
- A potential dual role for nicotine in tobacco abuse: Evidence from preclinical models of drug conditioning (2004, June) Neuroscience Mental Health Seminar at Omaha VA, NE.

2005

- Bio-behavioral processes mediating nicotine addiction: Evidence from the laboratory and clinic (2005, April) Keynote speaker at the 1st Annual Psychobiology Research Festival. University of Nebraska-Omaha, NE.
- Pavlovian conditioning and its potential role in nicotine addiction (2005, April) UNC Bowles Center for Alcohol Studies, Chapel Hill NC.
- Nicotine, associative learning, & tobacco addiction (2005, May) Center for Drug Abuse Research Translation, University of Kentucky, Lexington, KY.
- A Pavlovian conditioning approach to studying discriminative stimulus effects of nicotine (2005, May) 31st Annual Convention of the Association for Behavior Analysis, Chicago IL.
- Behavioral and neuropharmacological processes in tobacco addiction: Evidence from the laboratory and clinic (2005, July) Molecular and Biochemical Etiology Program Meeting, Eppley Cancer Center UNMC, Omaha, NE.
- Extending the role of associative learning processes in tobacco addiction: Evidence from the laboratory and clinic (2005, October) Department of Psychology, University of Nebraska-Lincoln, NE.

2006

- What is the reference place conditioning procedure? (2006, April) Department of Behavioral Neuroscience, Oregon Health & Science University, Portland OR.
- Conceptualizing nicotine as a cue within an interoceptive Pavlovian conditioning framework (2006, May) Invited symposium: Psychopharmacology of Nicotine, 73rd Annual Meeting of the Midwestern Psychological Association, IL (Organizer: R. Bevins; Participants: R. Bevins, H. deWit, M. LeSage, & S. Tiffany; Discussant: M. Bardo).
- Changing the meaning of nicotine—one reward at a time. (2006, May) Tuesday Neuroscience Night, Department of Biomedical Sciences, Creighton University School of Medicine, Omaha NE.
- Extending our conceptualization of Pavlovian conditioning processes in tobacco addiction. (December, 2006) The 20th Anniversary Celebration of the Neuroscience & Behavior Program, University of Massachusetts-Amherst, MA.

2007

- Neurobehavioral processes in nicotine dependence and tobacco use: Evidence from the clinic and laboratory (April, 2007) Conservatory Research Series at Doane College, NE.
- An overview of non-nicotine pharmacotherapies for nicotine dependence and smoking (May, 2007) Department of Veterans Affairs: Nebraska-Western Iowa Health Care System.
- Preclinical animal models for assessing the potential efficacy of behavioral, pharmacological, and immunological therapies for drug abuse (June, 2007) Schering Plough Corporation, NJ
- Investigation of nicotine as a Pavlovian cue. (August 2007) The 115th Annual Convention of the American Psychological Association, CA.
- Changing the functional impact of nicotine through Pavlovian conditioning (October, 2007) 2007 Annual Meeting of the Pavlovian Society, TX.
- Changing the 'meaning' of nicotine through learning (October, 2007) National Institute on Drug Abuse (NIDA), Rockville MD.

Recent clinical and preclinical advances in the treatment of smoking and nicotine dependence (November, 2007) Keynote Address: 2007 Meeting of the Nebraska Psychological Society, Crete NE.

Assessing behavioral and neuropharmacological processes involving abused drugs using preclinical animal models. (December, 2007) Center for Neurovirology and Neurodegenerative Disorders, University of Nebraska Medical Center, Omaha NE.

2008

Pavlovian conditioning processes involving nicotine: Implications for treatment of smoking (Feb, 2008) Department of Psychology, American University, Washington DC.

Treatment of smoking and nicotine dependence: Current and future directions (March, 2008) OLLI mini-course on Psychology at Southeast Community College, Lincoln NE.

Contribution of learning processes to the tenacity of nicotine dependence. (April, 2008) Department of Psychology, Kansas State University, Manhattan KS.

2009

Altering the behavioral and motivational effect of nicotine through conditioning processes. (January, 2009) Department of Neuroscience, Medical University of South Carolina, Charleston SC.

Toward more effective treatments of smoking and nicotine dependence. (April, 2009) Sigma Xi, The Scientific Research Society, Awards & Initiation Banquet, Lincoln NE.

Conditioning processes and drug states (August, 2009) The 117th Annual Convention of the American Psychological Association, Toronto.

What can conditional discriminations involving nicotine tell us about processes relevant to medication development for treating chronic tobacco use? (August, 2009) NIDA sponsored workshop "Validation of in vivo Screening for Drug Discovery and Development: Focus on Smoking Cessation" Rockville MD.

Behavioral and neuropharmacological processes involving the internal nicotine state (November, 2009) Department of Pharmacology and Toxicology, University of Utah, Salt Lake City UT.

2010

Current and future directions for research on tobacco use and nicotine dependence (January, 2010) Department of Veterans Affairs: Nebraska-Western Iowa Health Care System, Omaha NE.

Nicotine, motivation, & appetitive learning (May, 2010) Invited Symposium: "The Neuroscience of Flavor Learning, Consumption and Reward". 82nd Midwestern Psychological Association Conference, Chicago IL.

Current and future directions for research on tobacco use and nicotine dependence (May, 2010) UNMC Psychiatry Grand Rounds, Omaha NE.

Neuropharmacological investigation of the internal nicotine state: Consideration of conditioning processes (May, 2010) Department of Pharmacology & Toxicology, University of Arkansas for Medical Sciences, Little Rock AR.

Surprising findings regarding the neuropharmacology of the internal nicotine drug state (December, 2010) VA Friday Research Seminar, Omaha, NE.

2011

What extinction learning can tell us about the neural processes underlying the effects of nicotine? (April, 2011) Duke Institute for Brain Science Addiction Research Group, Durham NC.

Disentangling the nature of the nicotine stimulus with extinction learning. (May, 2011) 34th Annual Meeting of the Society for Quantitative Analysis of Behavior, Denver CO.

Quitting tobacco: continuing efforts for better treatment. (July, 2011) INBRE Summer Seminar, Lincoln NE.

2012

The nicotine stimulus: A new approach to disentangling its underlying neuropharmacological mechanisms. (Feb, 2012) Department of Pharmacology, University of Kansas, Lawrence KS.

Interoceptive conditioning and drug abuse (August, 2012) Division 28 Presidential Lecture of the 120th Annual Convention of the American Psychological Association, Orlando FL.

2013

- Internal states and drug addiction: Rethinking their import. (June, 2013) Munroe-Meyer Institute for Genetics and Rehabilitation, Omaha NE.
- Interoceptive conditioning and drug addiction: Was Pavlov right? (Sept, 2013) Texas A&M Institute for Neuroscience, College Station TX.
- Altering the motivational impact of nicotine. (Nov, 2013) Center for Drug Abuse and Research Translation at the University of Kentucky, Lexington, KY.
- Introspection on interoception. (Nov, 2013) Local NIDA Seminar Series, Lexington, KY.

2014

- UNL Graduate Commencement and Hooding Speech (May 2014) "CRASH! SMASH! BASH!" <https://www.youtube.com/watch?v=MVYknXFr6WA&sns=tw>
- Drug abuse and addiction: Panel participant. (August, 2014) Pharmacology and Experimental Neuroscience Department, University of Nebraska Medical Center, Omaha, NE.

2015

- Nicotine self-administration in rats - trials published and unpublished (June, 2015) Symposium: "Challenges of Nicotine Self-Administration in the Laboratory" International Study Group Investigating Drugs as Reinforcers. Phoenix, AZ.
- Conditioned enhancement of the nicotine reinforcer (September, 2015) Symposium: "Drugs and Conditioning" Pavlovian Society. Portland, OR
- Smoking and having a good time: Can such experiences change the abuse liability of nicotine (October, 2015) Inaugural Symposium: Nebraska Center for Drug Abuse Research. Omaha, NE.

2016

- Avoiding death by a 1000 duck bites: Time-saving tips from DEOs (February, 2016) Department Executive Officer (DEO) Brown Bag Series. UNL.
- Nicotine and interoceptive conditioning: Implications for treating nicotine dependence (April, 2016) Symposium: "Nicotinic Agonist/Antagonist Drug Development: Implications for Treatment of Neurodegenerative and Addictive Disorders" ASPET Annual Meeting at Experimental Biology 2016. San Diego, CA.
- Altered perception of nicotine cues: Implications for smoking cessation therapy (on November, 11, 2016) SRI Biosciences, Center for Health Sciences. Menlo Park, CA.
- Nicotine, interoceptive conditioning, and drug-taking (on November 18, 2016) University of South Dakota, Division of Basic Biomedical Sciences. Vermillion, SD.

CONFERENCE PRESENTATIONS (* denotes primary presenter)**1987-1989**

- Hurst PW*, Sutherland BL, Brown KW, Murphy NH, Thaw AK, & Bevins RA (1987, May) The effects of classical conditioning procedures on feeding patterns. 13th Annual Convention of the Association for Behavior Analysis, TN.
- Bevins RA* & Palya WL (1988, March) Serial conditioning as a function of temporal dependencies. 34th Annual Meeting of the Southeastern Psychological Association, LA.
- Bevins RA* & Palya WL (1988, May) Serial conditioning as a function of response dependencies. 14th Annual Convention of the Association for Behavior Analysis, PA.
- Palya WL* & Bevins RA (1988, May) User group meeting and system demonstration. Implementing research with an easy to use, inexpensive general purpose computer/interface. 14th Annual Convention of the Association for Behavior Analysis, PA.
- Bevins RA* & Palya WL (1988, August) Serial conditioning as a function of temporal dependencies. 96th Annual convention of the American Psychological Association, GA.
- Bevins RA, Bitgood S, & Patterson D* (1989, May) Evaluating the educational and emotional impact of a snake demonstration. 1989 Visitor Studies Conference, MI.

1990-1993

- Bevins RA* & Ayres JJB (1990, March) CS modality effects in Pavlovian fear conditioning: Selective association vs. topographical account. 61st Annual Meeting of the Eastern Psychological Association, PA.
- Bevins RA* & Ayres JJB (1991, April) Measurement of rats' location during conditioned suppression. 62nd Annual Meeting of the Eastern Psychological Association, NY.
- Burgos JE* & Bevins RA (1991, May) A reconstruction of the notion of temporal contiguity in respondent conditioning procedures. 17th Annual Convention of the Association for Behavior Analysis, GA.
- Garner C* & Bevins RA (1991, Nov) Generating graphics for presentation with drawing packages. 21st Annual Conference of Society for Computers in Psychology, CA.
- Bevins RA* & Ayres JJB (1992, April) One-trial backward fear conditioning survives a change in context. 63rd Annual Meeting of the Eastern Psychological Association, MA.
- Burgos JE* & Bevins RA (1992, April) C-System: A methodological formulation of Pavlovian procedures. 63rd Annual Meeting of the Eastern Psychological Association, MA.
- Bevins RA* & Ayres JJB (1993, April) Rats' location during extended barpress suppression training. 64th Annual Meeting of the Eastern Psychological Association, VA.

1994

- Bevins RA* (1994, March) One-trial context evoked freezing affected by manipulations of the ISI. 8th Annual Indiana-Purdue-Kentucky Conference on Animal Learning and Behavior, IN.
- Kim SD, Rivers S, Bevins RA, & Ayres JJB* (1994, April) CS determinants of CR form in Pavlovian fear conditioning. 65th Annual Meeting of the Eastern Psychological Association, RI.
- Bevins RA* & Ayres JJB (1994, May) Manipulation of the interstimulus interval affects one-trial context fear conditioning in rats. 66th Midwestern Psychological Association Conference, IL.
- Bevins RA*, Valone JM, Bradley MC, & Bardo MT (1994, May) Effects of number of conditioning trials on morphine-conditioned taste aversion and analgesia. 66th Midwestern Psychological Association Conference, IL.
- Bevins RA* & Ayres JJB (1994, May) No role of opioid analgesia in one-trial context conditioning. 20th Annual Convention of the Association for Behavior Analysis, GA.
- Bevins RA*, Shanmugham K, & Bardo MT (1994, Nov) Taste- and odor-specific locomotor sensitization using morphine. 24th Annual Meeting of the Society for Neuroscience, FL.
- Valone JM*, Gibson TR, Bevins RA, & Bardo MT (1994, Nov) Intravenous amphetamine produces conditioned place preference using a single trial in rats. 24th Annual Meeting of the Society for Neuroscience, FL.

1995

- Bevins RA* (1995, April) Morphine locomotor conditioning: Importance of the CS in determining CR form. Tri-state Conference on Animal Learning & Behavior, OH.
- Bevins RA* & Bardo MT (1995, May) Cue-specific taste aversion using a morphine US: Unexpressed salt aversion detected with second-order conditioning. 67th Midwestern Psychological Association Conference, IL.
- Klebaur JE*, Bevins RA, & Bardo MT (1995, May) Individual differences in amphetamine drug discrimination. 67th Midwestern Psychological Association Conference, IL.
- Valone JM*, Gibson TR, Bevins RA, & Bardo MT (1995, May) One-trial conditioned place preference using intravenous drug administration in rats. 67th Midwestern Psychological Association Conference, IL.
- Bevins RA*, Klebaur JE, Dwoskin LP, & Bardo MT (1995, May) Factors affecting generalization between amphetamine and nicotine discriminative stimulus effects. 21st Annual Convention of the Association for Behavior Analysis, DC.
- Bevins RA*, Bradley MC, Klebaur JE, & Bardo MT (1995, Nov) The D₃ agonist 7-OH-DPAT generalizes to the discriminative stimulus effects of amphetamine in rats. 25th Annual Meeting of the Society for Neuroscience, CA.

Valone JM*, Williamson AP, Bevins RA, Shaw WB, Dwoskin LP, & Bardo MT (1995, Nov) The effects of differential rearing on the psychostimulant effects of amphetamine and the dopamine transporter. 25th Annual Meeting of the Society for Neuroscience, CA.

1996

- Bevins RA*, Murphy M, Marion MC, & Bardo MT (1996, May) Place preference in rats conditioned by repeated access to a novel object. 68th Midwestern Psychological Association Conference, IL.
- Kaiser DH*, Cook BR, Bevins RA, & Zentall TR (1996, May) Conditioned taste aversion in a distinct context results in an inverse relationship between place preference and consumption. 68th Midwestern Psychological Association Conference, IL.
- Valone JM, Delzer TA, Klebaur JE, Bevins RA*, & Bardo MT (1996, May) Individual differences in one-trial conditioned place preference and self-administration using intravenous amphetamine in rats. 68th Midwestern Psychological Association Conference, IL.
- McPhee JE*, Rauhut AS, Bevins RA, & Ayres JJB (1996, April) Multiple measures of one-trial contextual fear conditioning following strong versus weak immediate shock. 67th Annual Meeting of the Eastern Psychological Association, NY.
- Klebaur JE*, Marion M, Bevins RA, Carney J, & Bardo MT (1996, Nov) Novelty seeking predicts individual differences in amphetamine disrupted bar pressing. 26th Annual Meeting of the Society for Neuroscience, DC.
- Bevins RA*, Brown NA, & Bardo MT (1996, Nov) Novelty as an appetitive stimulus: Pretreatment with MK-801, and parallel effects with cocaine. 26th Annual Meeting of the Society for Neuroscience, DC.

1997

- Bevins RA*, Brown NA, & Bardo MT (1997, May) Alteration of object interaction and novelty-conditioned place preference by MK-801. 69th Midwestern Psychological Association Conference, IL.
- Brown NA*, Bevins RA, & Bardo MT (1997, May) Nicotine conditioned activity. 69th Midwestern Psychological Association Conference, IL.
- Klebaur JE*, Bevins RA, & Bardo MT (1997, May) Individual differences in amphetamine self-administration. 69th Midwestern Psychological Association Conference, IL.
- Bevins RA* (1997, June) Individual differences in response to novelty and nicotine-induced hyperactivity. 3rd Annual Meeting of the Society for Research on Nicotine and Tobacco, TN.
- Bevins RA* & Koznarova J (1997, Oct) Alteration of rats' open platform behaviors and subsequent novel object interaction by nicotine. 27th Annual Meeting of the Society for Neuroscience, LA.
- Klebaur JE*, Marion M, Bevins RA, & Bardo MT (1997, Oct) Correlational analyses relating behavioral response to novelty and amphetamine. 27th Annual Meeting of the Society for Neuroscience, LA.

1998

- McPhee JE*, Rauhut AS, Bevins RA, & Ayres JJB (1998, April) Effects of transport cue on one-trial contextual fear conditioning. 69th Annual Meeting of the Eastern Psychological Association.
- Armiger TJ* & Bevins RA (1998, May) Is novelty necessary for "novelty" conditioned place preference? 70th Midwestern Psychological Association Conference, IL.
- Besheer J* & Bevins RA (1998, May) The role of habituation in novelty detection. 70th Midwestern Psychological Association Conference, IL.
- Jensen HC* & Bevins RA (1998, May) Eticlopride alters object interaction and novelty conditioned place preference. 70th Midwestern Psychological Association Conference, IL.
- Klebaur JE*, Segar TM, Bevins RA, & Bardo MT (1998, May) Individual differences in novelty seeking and amphetamine disrupted bar pressing in female rats. 70th Midwestern Psychological Association Conference, IL.
- Besheer J* & Bevins RA (1998, May) Environment, object exposure, and later novelty detection in rats. American Psychological Society 10th Annual Convention, DC.
- Bevins RA*, Besheer J, & Hinze TS (1998, May) Reactivity to novelty and the subsequent locomotor effects of nicotine. 1998 Meeting of the Behavioral Pharmacology Society, PA.
- Besheer J*, Jensen HC, Armiger TJ, & Bevins RA (1998, Nov) Novelty: Detection, reward, and dopamine receptors. 28th Annual Meeting of the Society for Neuroscience, CA.

1999

- Armiger TJ*, Besheer J, Eurek S, Pickerill G, Pickett K, & Bevins RA (1999, May) Effects of nicotine treatment in two behavioral preparations. 71st Midwestern Psychological Association Conference, IL.
- Besheer J,* Outten C, & Bevins RA (1999, May) Assessment of dopamine involvement in novel-object preference. 71st Midwestern Psychological Association Conference, IL.
- Jensen HC,* Hinze TS, & Bevins RA (1999, May) Extinction of a conditioned taste aversion varies with taste quality. 71st Midwestern Psychological Association Conference, IL.
- Besheer J* & Bevins RA (1999, June) Environment-nicotine association in rats: Elimination of alternative accounts. 1999 Convention of the American Psychological Society, CO.
- Bevins RA,* Besheer J, & Jensen HC (1999, Sept) Dissociation between the dopaminergic substrates mediating novelty preference and reward. 1999 Meeting of the Behavioral Pharmacology Society, MA.
- Besheer J* & Bevins RA (1999, Nov) T-maze visual discrimination in rats: Individual differences and the effects of nicotine. 28th Annual Meeting of the Society for Neuroscience, FL.
- Jensen HC*, Eurek S, Pickett KS, & Bevins RA (1999, Nov) Novelty Reward: Alternative accounts and necessity of novelty. 29th Annual Meeting of the Society for Neuroscience, FL.

2000

- Besheer J* & Bevins RA (2000, May) Environment familiarity and novel-object preference. 72nd Midwestern Psychological Association Conference, IL.
- Jensen HC,* Besheer J, Pickett KS, & Bevins RA (2000, May) Summation of cocaine and novelty reward during 1-trial place conditioning. 72nd Midwestern Psychological Association Conference, IL.
- Palmatier MI,* Pickett KS, Jensen HC, & Bevins RA (2000, May) Novelty-conditioned place preference: Manipulation of US magnitude. 72nd Midwestern Psychological Association Conference, IL.
- Pickett KS,* Besheer J, & Bevins RA (2000, May) Expression of nicotine conditioning: Sensitivity to dose and D₁ antagonism. 72nd Midwestern Psychological Association Conference, IL.
- Besheer J,* & Short KR, & Bevins RA (2000, June) Dopamine antagonism in a novel-object preference task. 2000 Convention of the American Psychological Society, FL.
- Palmatier MI* & Bevins RA (2000, June) Nicotine conditioned avoidance of saccharin following chronic caffeine exposure. 2000 Convention of the American Psychological Society, FL.
- Besheer J,* Pickett KS, Eurek S, & Bevins RA (2000, Nov) Dopamine involvement in the expression of nicotine-conditioned locomotor activity. 30th Annual Meeting of the Society for Neuroscience, LA.
- Palmatier MI* & Bevins RA (2000, Nov) Conditioned and unconditioned effects of nicotine following chronic exposure to caffeine. 30th Annual Meeting of the Society for Neuroscience, LA.
- Jensen HC,* Palmatier MI, Besheer J, Pickett KS, & Bevins RA (2000, Nov) Novelty place and locomotor conditioning: Interaction with cocaine. 30th Annual Meeting of the Society for Neuroscience, LA.

2001

- Bevins RA* (2001, Jan) Learned associations with nicotine as the US. Winter Conference on Animal Learning & Behavior, CO.
- Besheer J* & Bevins RA (2001, March) Mecamylamine restores nicotine disruption of individual differences in rats' activity. 7th Annual Meeting of the Society for Research on Nicotine and Tobacco, WA.
- Palmatier MI,* Pickett KS, & Bevins RA (2001, March) Assessment of dopaminergic involvement in nicotine-conditioned hyperactivity in rats. 7th Annual Meeting of the Society for Research on Nicotine and Tobacco, WA.
- Besheer J* & Bevins RA (2001, May) Novelty-conditioned place preference: antagonism of expression. 73rd Midwestern Psychological Association Conference, IL.
- Palmatier MI* & Bevins RA (2001, May) A nicotine conditioned taste aversion is attenuated by chronic caffeine preexposure. 73rd Midwestern Psychological Association Conference, IL.
- Eurek S* & Bevins RA (2001, May) The effect of the interstimulus interval on nicotine locomotor conditioning. 73rd Midwestern Psychological Association Conference, IL.

Palmatier MI* & Bevins RA (2001, May) The conditioned and unconditioned effects of nicotine following chronic preexposure to caffeine: Evidence from two behavioral preparations. 2001 Missouri Conference on Animal Learning & Cognition, MO.

Besheer J* & Bevins RA (2001, Nov) Differential effects of nicotine withdrawal on novelty detection and reward. 31st Annual Meeting of Society for Neuroscience, CA.

Eurek SE,* Besheer J, Zwart ER, & Bevins RA (2001, Nov) Factors influencing learned associations with nicotine. 31st Annual Meeting of Society for Neuroscience, CA.

Palmatier MI,* Woledge CW, & Bevins RA (2001, Nov) Assessment of dopaminergic and GABAergic involvement in acquisition of nicotine-conditioned hyperactivity. 31st Annual Meeting of Society for Neuroscience, CA.

2002

Bevins RA* (2002, Jan) Pavlovian drug modulation of appetitive behavior. Winter Conference on Animal Learning & Behavior, CO.

Besheer J* & Bevins RA (2002, Feb) Nicotine withdrawal: Effects on novelty reward and environmental familiarization. 8th Annual Meeting of the Society for Research on Nicotine and Tobacco, GA.

Palmatier MI,* Woledge CW, VanBoening J, & Bevins RA (2002, Feb) Effects of nicotine pre-exposure on the subsequent conditioned and unconditioned locomotor effects nicotine in rats. 8th Annual Meeting of the Society for Research on Nicotine and Tobacco, GA.

Bernstein D,* Bevins RA, Raffaelli M, Garbin C, & Mathie VA (2002, Sept) Representing curricular achievement through externally reviewed course portfolios. The 2002 Meeting of the Best Practices in Assessment, GA.

Palmatier MI* & Bevins RA (2002, Oct) Feature-positive modulation of appetitive Pavlovian conditioning by nicotine: Effects of training protocol, extinction, and retention interval. 8th Annual Duke Nicotine Research Conference, NC.

Karpegayan K,* Metschke DM, & Bevins RA (2002, Oct) Evidence for transfer of conditioned excitation in a nicotine-conditioned locomotor preparation. 8th Annual Duke Nicotine Research Conference, NC.

Besheer J* & Bevins RA (2002, Oct) Nicotine withdrawal: Effects on novelty reward and environmental familiarization. 8th Annual Duke Nicotine Research Conference, NC.

2003

Bevins RA* (2003, Feb) Sasquatch, innovation, and other mysteries. Winter Conference on Animal Learning & Behavior, CO.

Bevins RA* (2003, Feb) Hey, it's time for my nicotine... Winter Conference on Animal Learning & Behavior, CO.

Palmatier MI* & Bevins RA (2003, Feb) Feature positive modulation of goal tracking by nicotine: Associative and stimulus properties of the nicotine feature. Winter Conference on Animal Learning & Behavior, CO.

Karpegayan K* & Bevins RA (2003, Feb) Implications of noradrenergic system in a novel-object recognition task. The Winter Conference on Animal Learning & Behavior, CO.

Bevins RA,* Palmatier MI, Metschke DM, & Besheer, J (2003, April) Feature positive modulation of goal tracking by amphetamine. 2003 Meeting of the Behavioral Pharmacology Society, CA.

Palmatier MI,* Metschke DM, Herrman L, & Bevins RA (2003, Nov) Modulation of goal tracking by positive nicotine and amphetamine features: Effects of dose and compound manipulations. 33rd Annual Meeting of Society for Neuroscience, LA.

Peterson J,* Siebert H, Palmatier MI, Besheer J, Metschke DM, & Bevins RA (2003, Nov) Antagonism of the modulatory and conditional stimulus properties of nicotine. 33rd Annual Meeting of Society for Neuroscience, LA.

Wilkinson JL*, Palmatier MI, Besheer J, Metschke DM, & Bevins RA (2003, Nov) A test for state-dependent recall of an appetitive association before training a drug state as a feature positive modulator. 33rd Annual Meeting of Society for Neuroscience, LA.

2004

Bevins RA* (2004, Feb) Place conditioning: An unexploited model of associatively-motivated choice behavior. Winter Conference on Animal Learning & Behavior, CO.

- Palmatier MI* & Bevins RA (2004, Feb) Drug contexts as occasion setters: Conditional stimulus modality and drug feature pharmacology affect goal tracking topography in rats. Winter Conference on Animal Learning & Behavior, CO.
- Wilkinson JL*, Palmatier MI, & Bevins RA (2004, April) Chlordiazepoxide modulates appetitive Pavlovian conditioning. 76th Midwestern Psychological Association Conference, IL.
- Palmatier MI*, Wilkinson JL, & Bevins RA (2004, April) Extinction of a positive drug feature in appetitive Pavlovian conditioning. 76th Midwestern Psychological Association Conference, IL.
- Herrman LE*, Wilkinson JL, Palmatier MI, & Bevins RA (2004, April) Factors affecting environmental familiarization in rats. 76th Midwestern Psychological Association Conference, IL.
- Palmatier MI* & Bevins RA (2004, June) Extinction of Pavlovian feature positive drug occasion setters in rats. Annual Meeting of The College on Problems of Drug Dependency, Puerto Rico.
- Siebert HL*, Wiltgen SM, Wilkinson JL, Palmatier MI, & Bevins RA (2004, October) Characterization of a Pavlovian feature negative discrimination task with nicotine. 34th Annual Meeting of Society for Neuroscience, CA.
- Palmatier MI*, Wilkinson JL, & Bevins RA (2004, October) Associative properties of nicotine, amphetamine, and chlordiazepoxide modulators in a Pavlovian appetitive discrimination task in rats. 34th Annual Meeting of Society for Neuroscience, CA.
- Wilkinson JL*, Palmatier MI, & Bevins RA (2004, October) Pre-exposure to nicotine alters the locomotor stimulant effects of bupropion. 34th Annual Meeting of Society for Neuroscience, CA.

2005

- Murray JE* & Bevins RA (2005, Feb) Nicotine as a conditional stimulus: Role of stimulus salience. Winter Conference on Animal Learning & Behavior, CO.
- Wilkinson JL* & Bevins RA (2005, Feb) Effects of US density in an appetitive Pavlovian discrimination task with nicotine as the CS. Winter Conference on Animal Learning & Behavior, CO.
- Murray JE*, Wilkinson JL, Berg SA, Penrod RD, Li CJ, Wiltgen SM, & Bevins RA (2005, May) Nicotine as a conditional stimulus: Factors affecting acquisition and extinction. 77th Midwestern Psychological Association Conference, IL.
- Siebert HL*, Wiltgen SM, Wilkinson JL, Palmatier MI, & Bevins RA (2005, May) Nicotine as negative feature in a Pavlovian discrimination task with rats. 77th Midwestern Psychological Association Conference, IL.
- Wilkinson JL*, Palmatier MI, & Bevins RA (2005, May) An investigation of the locomotor activating effects of bupropion in rats. 77th Midwestern Psychological Association Conference, IL.
- Li C*, Siebert HL, Berg SA, Wiltgen SM, Wilkinson JL, Murray JE, & Bevins RA (2005, Nov) Bupropion, caffeine, cocaine, and methamphetamine serve as positive features in an appetitive Pavlovian conditioning task in rats. 35th Annual Meeting of Society for Neuroscience, DC.
- Murray JE*, Horky KD, & Bevins RA (2005, Nov) Dopamine antagonists and MPEP affect conditioned responding to a nicotine conditional stimulus. 35th Annual Meeting of Society for Neuroscience, DC.
- Wilkinson JL*, Penrod RD, Murray JE, & Bevins RA (2005, Nov) Conditioned stimulus effects of nicotine: Bupropion substitution and the effects of sucrose concentration. 35th Annual Meeting of Society for Neuroscience, DC.

2006

- Murray JE* & Bevins RA (2006, Feb) A commonly self-administered IV nicotine dose serves as a CS for sucrose. Winter Conference on Animal Learning & Behavior, CO.
- Reichel CM*, Barra VL, Berg SA, Wilkinson JL, & Bevins RA (2006, Feb) Cocaine and bupropion generalize to a methamphetamine occasion setter. Winter Conference on Animal Learning & Behavior, CO.
- Wilkinson JL* & Bevins RA (2006, Feb) The temporal dynamics of bupropion substitution for a nicotine CS. Winter Conference on Animal Learning & Behavior, CO.
- Bevins RA* & Wilkinson JL (2006, Feb) Characterization of bupropion substitution for the conditional stimulus effects of nicotine. 12th Annual Meeting of the Society for Research on Nicotine and Tobacco, FL.

- Li C*, Wilkinson JL, & Bevins RA (2006, May) Psychomotor stimulants substitute for a bupropion feature positive modulator. 78th Midwestern Psychological Association Conference, IL.
- Murray JE*, Barra VC, Horky KD, & Bevins RA (2006, May) Characterization of the nicotine CS as a function of salience. 78th Midwestern Psychological Association Conference, IL.
- Penrod RD* & Bevins RA (2006, May) A test of state-dependency's role in an interoceptive conditioning task with a nicotine cue. 78th Midwestern Psychological Association Conference, IL.
- Reichel CM*, Barra VL, Berg SA, Wilkinson JL, & Bevins RA (2006, May) Methamphetamine as a drug feature in a Pavlovian conditioning task. 78th Midwestern Psychological Association Conference, IL.
- Wilkinson JL* & Bevins RA (2006, May) Bupropion shares cueing properties with an appetitively trained nicotine CS. 78th Midwestern Psychological Association Conference, IL.
- Li C*, Murray JE, & Bevins RA (2006, October) Caffeine as a feature positive modulator in a Pavlovian drug conditioning task: assessing amphetamine and nicotine substitution. 36th Annual Meeting of Society for Neuroscience, GA.
- Linkugel JD*, Reichel CM, & Bevins RA (2006, October) Dopamine reuptake inhibitors partially substitute for nicotine as a conditioned stimulus. 36th Annual Meeting of Society for Neuroscience, GA.
- Lyford GD*, Murray JE, & Bevins RA (2006, October) An examination of cannabinoid compounds in mediation of conditioned responding to a nicotine conditional stimulus for water. 36th Annual Meeting of Society for Neuroscience, GA.
- Murray JE* & Bevins RA (2006, October) Conditional stimulus effects of a commonly self-administered IV nicotine dose are centrally mediated. 36th Annual Meeting of Society for Neuroscience, GA.
- Penrod RD*, Reichel CM, & Bevins RA (2006, October) A test of state-dependency's role in a Pavlovian drug discrimination task nicotine. 36th Annual Meeting of Society for Neuroscience, GA.
- Reichel CM* & Bevins RA (2006, October) Novelty conditioned reward competes with cocaine conditioned reward. 36th Annual Meeting of Society for Neuroscience, GA.
- Wilkinson JL*, Carroll FI, & Bevins RA (2006, October) An investigation of bupropion and hydroxybupropion substitution for a nicotine conditioned stimulus in rats. 36th Annual Meeting of Society for Neuroscience, GA.

2007

- Struthers A* & Bevins RA (2007, Feb) Does methylphenidate alter environmental familiarization?? Winter Conference on Animal Learning & Behavior, CO.
- Wilkinson JL* & Bevins RA (2007, Feb) Where oh where can the nicotine place preference be? Winter Conference on Animal Learning & Behavior, CO.
- Linkugel JD*, Reichel CM, & Bevins RA (2007, May) Nicotine as a conditioned stimulus: Impact of ADHD medications. 79th Midwestern Psychological Association Conference, IL.
- Lyford GD*, Murray JE, & Bevins RA (2007, May) Cannabinoid mediation of the interoceptive CS effects of nicotine. 79th Midwestern Psychological Association Conference, IL.
- Murray JE* & Bevins RA (2007, May) Simulating the nicotine cueing effects of "cigarette puffs" in rats. 79th Midwestern Psychological Association Conference, IL.
- Reichel CM*, Linkugel JD, & Bevins RA (2007, May) Bupropion impacts acquisition of methamphetamine self-administration. 79th Midwestern Psychological Association Conference, IL.
- Wilkinson JL* & Bevins RA (2007, May) Obtaining the elusive nicotine place preference with intravenous administration. 79th Midwestern Psychological Association Conference, IL.
- Reichel CM*, Linkugel JD, & Bevins RA (2007, June) Bupropion attenuates methamphetamine self-administration and sucrose-seeking in adult male rats. 69th Meeting of The College on Problems of Drug Dependency, Quebec City.
- Struthers AM*, Reichel CM, & Bevins RA (2007, October) Preliminary evidence of sign tracking in a Pavlovian drug discrimination task with rats. 2007 Annual Meeting of the Pavlovian Society, TX
- Li C*, Linkugel JD, Fullner JD, & Bevins RA (2007, November) Imbuing nicotine with inhibitory properties: Evidence that the nicotine drug state can function as a conditioned inhibitor. 37th Annual Meeting of Society for Neuroscience, CA.

- Linkugel JD*, Sanderson SC, Reichel CM, & Bevins RA (2007, November) Nicotinic acetylcholine receptor agonist substitution for the conditioned stimulus effects of nicotine. 37th Annual Meeting of Society for Neuroscience, CA.
- Murray JE*, Lyford GD, Wells N, & Bevins RA (2007, November) An examination of the cannabinoid agonist CP 55,940 in Pavlovian drug discrimination paradigms. 37th Annual Meeting of Society for Neuroscience, CA.
- Reichel CM* & Bevins RA (2007, November) Investigating the extent to which novelty conditioned reward competes with cocaine conditioned reward. 37th Annual Meeting of Society for Neuroscience, CA.
- Struthers AM*, Wilkinson JL, & Bevins RA (2007, November) An investigation of nicotinic acetylcholine receptor antagonism of the conditioned stimulus effects of nicotine. 37th Annual Meeting of Society for Neuroscience, CA.
- Williams JM*, Lyford GD, Murray JE, & Bevins RA (2007, November) NMDA receptor channel blockers, but not competitive antagonists, block nicotine-evoked conditioned responding in an appetitive Pavlovian drug discrimination task. 37th Annual Meeting of Society for Neuroscience, CA.

2008

- Struthers AM*, Wilkinson JL, & Bevins RA (2008, Feb) Temporal dynamics of nicotinic acetylcholine receptor antagonism of the conditioned stimulus effects of nicotine. Society for Research on Nicotine and Tobacco, OR.
- Wilkinson JL* & Bevins RA (2008, Feb) A preliminary examination of the potentiation of nicotine's rewarding effects through Pavlovian conditioning. Society for Research on Nicotine and Tobacco, OR.
- Reichel CM*, Murray JE, Walker AW, Grant KM, & Bevins RA (2008, June) Bupropion differentially impacts responding for appetitive stimuli. 70th Meeting of The College on Problems of Drug Dependency, Puerto Rico.
- Murray JE*, Wells NR, & Bevins RA (2008, August) Cue competition between an intravenous nicotine CS and light CS. 116th Annual Meeting of the American Psychological Association, MA.
- Reichel CM*, Murray JE, Grant KM, & Bevins RA (2008, September) Bupropion reduces methamphetamine intake during acquisition and maintenance. 2008 NIH Graduate Research Festival, MD.
- Struthers AM*, Reichel CM, & Bevins RA (2008, October) Additive antagonism at the $\alpha 3\beta 4^*$ nicotinic acetylcholine receptor subtype in a Pavlovian drug discrimination task with nicotine. 2008 Annual Meeting of the Pavlovian Society, NJ.
- Murray JE*, Wells NR, & Bevins RA (2008, November) Stimulus effects of IV nicotine dose-dependently overshadow appetitive conditioning to a light CS. 38th Annual Meeting of Society for Neuroscience, DC.
- Wells NR*, Walker AW, Li C, Fullner JD, Linkugel JD, Murray JE, & Bevins RA (2008, November) The pharmacological effects of nicotine acquire response inhibition properties through conditioning processes. 38th Annual Meeting of Society for Neuroscience, DC.
- Reichel CM* & Bevins RA (2008, November) Competition between cocaine and novelty conditioned rewards is retained at 14 but not 28 days post novelty conditioning. 38th Annual Meeting of Society for Neuroscience, DC.

2009

- Wiebe S*, McChargue D, Bevins RA, Kiviniemi C, Wilkinson J, Blobaum L, Wulff S, & Knezevic A (2009, March) The effects of smoking on novelty processing: An ERP study. The 2009 Society for Cognitive Neuroscience, CA.
- Murray JE*, Wells NR, & Bevins RA (2009, April) Overshadowing and blocking of appetitive conditioning by the interoceptive stimulus effects of nicotine. The 2009 Joint Conference of Society for Research on Nicotine and Tobacco and SRNT-Europe, Ireland.
- Struthers AM*, Sanderson S, Wells NR, & Bevins RA (2009, May) Selective serotonin and noradrenaline reuptake inhibitors antagonize the conditional stimulus effects of nicotine. 81st Midwestern Psychological Association Conference, IL.
- Wilkinson JL*, Reichel CM, & Bevins RA (2009, May) Measuring relative reward in the place conditioning task. 81st Midwestern Psychological Association Conference, IL.

- Reichel CM*, Murray JE, Barr JD, Sanderson SC, Tracy M, & Bevins RA (2009, June) Transfer of extinction learning for the conditioned stimulus of nicotine by nicotinic receptor agonists. 71st Meeting of The College on Problems of Drug Dependency, Reno Nevada
- Murray JE*, Walker AW, Li C, Wells NR, & Bevins RA (2009, September) Nicotine functions as a conditioned inhibitor when trained as a negative feature in an appetitive discrimination task. 13th Biennial Meeting European Behavioural Pharmacology Society, Italy.
- Wells NR*, Volf NT, Walker AW, & Bevins RA (2009, October) Weakening nicotine-evoked conditioned responding: Assessing transfer of extinction learning with bupropion. 39th Annual Meeting of Society for Neuroscience, IL.
- Barrett ST*, Wilkinson JL, & Bevins RA (2009, October) The effects of nicotine dose and pre-exposure on the conditioned rewarding effects of IV nicotine. 39th Annual Meeting of Society for Neuroscience, IL.
- Tracy ME*, Barrett ST, & Bevins RA (2009, October) The behavioral effects of tramadol in an unbiased place conditioning procedure. 39th Annual Meeting of Society for Neuroscience, IL.

2010

- Kelsey KM*, Kiviniemi MT, Wiebe SA, McChargue DE, & Bevins RA (2010, Feb) Smoking and the Iowa Gambling Task: Are Smokers Poor Learners in a Task involving Monetary Reward? Society for Research on Nicotine and Tobacco, MD.
- Barrett ST*, Tracy ME, & Bevins RA (2010, Feb) The effects of nicotine on resistance to extinction of responding for a visual stimulus. Winter Conference on Animal Learning & Behavior, CO.
- Barrett ST*, Tracy ME, & Bevins RA (2010, April) Nicotine enhances resistance to extinction of responding for a visual stimulus in rats. 82nd Midwestern Psychological Association Conference, IL.
- Pittenger ST*, Barrett ST & Bevins RA (2010, April) Pharmacological blockade of extinction learning with nicotine as a CS. 82nd Midwestern Psychological Association Conference, IL.
- Charntikov S*, Wells NR, Fink K, & Bevins RA (2010, April) Transfer of extinction learning to the nicotine CS: Extinction with bupropion. 82nd Midwestern Psychological Association Conference, IL.
- Wilkinson JL*, Bevins RA, Kiviniemi MT, McChargue DE, & Wiebe SA (2010, April) Reward responsivity and nicotine self-administration in rats. 82nd Midwestern Psychological Association Conference, IL.
- Grant KM*, Carlo G, Feresu S, Bevins RA, Kelley SS, Husain I & Martinez MM (2010, May) Risk and protective factors in rural and urban persons with methamphetamine dependence. 2010 Meeting on Improving Health Care for Rural Veterans, ME.
- Grant KM*, Kelley SG, Wilkinson JL, Shostrom V, & Bevins RA (2010, July) Bupropion in the Treatment of Methamphetamine Dependence: Preliminary Findings. 4th VHA Mental Health Conference, Implementing a Public Health Model for Meeting the Mental Health Needs of Veterans, MD.
- Charntikov S*, Tracy ME, & Bevins RA (2010, Nov) A c-Fos immunoreactivity study of the nicotine state as a stimulus in an appetitive conditioning task. 40th Annual Meeting of Society for Neuroscience, CA.
- Polewan RJ*, Tracy ME, Hoffman L, & Bevins RA (2010, Nov) Conditioned stimulus effects of nicotine and varenicline substitution in female rats. 40th Annual Meeting of Society for Neuroscience, CA.

2011

- Olsen LK*, Kelsey KM, Kiviniemi MT, Wiebe SA, McChargue DE, & Bevins RA (2011, April) Electrophysiological markers of nicotine dependence and anhedonia. 18th Annual Cognitive Neuroscience Society Meeting, CA.
- Bevins, RA* (2011, Feb) Learning involving the nicotine state: Adventures in weakening the CR. Winter Conference on Animal Learning and Behavior, CO
- Barrett ST* & Bevins RA (2011, May) Extending the reward-enhancing effects of nicotine to reinforcer demand. Society for Quantitative Analysis of Behavior, CO.
- Charntikov S*, Wells NR, Fink KM, Ihle CC, & Bevins RA (2011, May) Extinction and re-extinction of a nicotine-evoked CR with bupropion. Society for Quantitative Analysis of Behavior, CO.
- Pittenger ST*, Zeplin LC, & Bevins RA (2011, May) Interoceptive conditioning with the nicotine stimulus susceptible to revaluation. Society for Quantitative Analysis of Behavior, CO.

Polewan RJ* & Bevins RA (2011, May) Conditioned stimulus effects of nicotine: The role of nicotine dose during extinction. Society for Quantitative Analysis of Behavior, CO.

Pickens LR*, Rowan JD, Bevins RA, & Fountain SB (2011, June) Dose-dependent effects of adolescent nicotine exposure on cognition in the adult female rat. 35th Annual Meeting of the Neurobehavioral-Teratology Society, CA

Pickens LR*, Rowan JD, Bevins RA, & Fountain SB (2011, Nov) Nicotine exposure during adulthood does not produce long-lasting cognitive impairments in rats like those seen following adolescent exposure. 41st Annual Meeting of the Society for Neuroscience, DC.

2012

Walker AW*, Li C, Murray JE, & Bevins RA (2012, Jan) An interoceptive nicotine stimulus functions as a conditioned inhibitor in rats: Implications for modulating tobacco addiction. 32nd Annual Australian Neuroscience Society Conference, Gold Coast, Queensland.

Charntikov S, Swalve N, Pittenger S, Fink K, Schepers S, Hu G, Li M, & Bevins RA* (2012, Mar) Assessment of iptakalim in preclinical models of nicotine abuse liability. 2012 Annual Meeting of the Society for Research on Nicotine and Tobacco. TX.

Grant KM*, Simpson J, Svingen L, Davis S, Beaumont C, DiLillo D, Carlo G, Feresu S, & Bevins RA (2012, April) Adverse childhood events and methamphetamine use. American Society of Addiction Medicine Medical-Scientific Conference, GA.

Barrett ST* & Bevins RA (2012, August) Examining the generality of the reward-enhancing effects of nicotine. 120th Annual Convention of the American Psychological Association, FL.

Charntikov S*, Pittenger S, Swalve N, Fink K, Schepers S, Hu G, Li M, & Bevins RA (2012, Oct) Iptakalim attenuates the stimulus and reinforcing effects of nicotine in rats. 42nd Annual Meeting of the Society for Neuroscience, LA.

Pittenger S*, Charntikov S, Hoang T, & Bevins RA (2012, Oct) The effect of bupropion and N-acetylcysteine on methamphetamine self-administration and reinstatement in female rats. 42nd Annual Meeting of the Society for Neuroscience, LA.

Morrison DR*, He OH, Motts A, Buhusi M, Bevins RA, & Buhusi CV (2012, Oct) Differential roles of prelimbic and infralimbic cortices in Pavlovian conditioning to nicotine. 42nd Annual Meeting of the Society for Neuroscience, LA.

Motts AW*, Morrison DR, He OH, Buhusi M, Bevins RA, & Buhusi CV (2012, Oct) The role of prefrontal cortex in Pavlovian conditioning to nicotine. 42nd Annual Meeting of the Society for Neuroscience, LA.

Swalve N*, Barrett S, Bevins RA, & Li M (2012, Oct) Phencyclidine treatment increases sensitivity to the reward-enhancing effects of nicotine. 42nd Annual Meeting of the Society for Neuroscience, LA.

2013

Charntikov S*, Fink K, Schepers S, Durham CE, Dwoskin LP, & Bevins RA (2013, March) Investigation of combination treatments in an animal preclinical model of interoceptive conditioning with nicotine. 2013 Annual Meeting of the Society for Research on Nicotine and Tobacco. MA.

Carlo G*, Simpson J, Grant K, Pudiak C, Kelley S, Martinez M, & Bevins RA (2013, May) Risk and protective correlates of externalizing problems among Latino and European American methamphetamine users. 25th Annual Convention of the Association for Psychological Science, DC.

Simpson JL, Grant KM, Carlo G, Daly P, Kelley S, & Bevins RA* (2013, Sept) Drug history and psychological burden in female and male methamphetamine-dependent patients. Behavior Change, Health, and Health Disparities, VT.

Barrett ST* & Bevins RA (2013, Sept) Over-expectation using an exteroceptive context and an interoceptive drug stimulus. The Pavlovian Society Meeting, TX

Barrett ST*, Pudiak CM, Falco AM, Dwoskin LP, & Bevins RA (2013, Sept) Can generalization of extinction with nicotine substitutes be enhanced through successive extinction training? The Pavlovian Society Meeting, TX

Charntikov S*, Pittenger S, Vestakis K, & Bevins RA (2013, Sept) Neurobiology of the interoceptive conditioning with the nicotine stimulus. 15th Biennial European Behavioural Pharmacology Society Meeting. Italy.

Charntikov S*, Pittenger S, Vestakis K, & Bevins RA (2013, Nov) Interoceptive conditioning with the nicotine stimulus slowed by lesions to posterior but not anterior dorsomedial striatum. 43rd Annual Meeting of the Society for Neuroscience, CA.

Pittenger S*, Zeplin LC, & Bevins RA (2013, Nov) The effect of switching pharmacological intervention on nicotine-evoked conditioned responding in extinction. 43rd Annual Meeting of the Society for Neuroscience, CA.

Swalve N*, Pittenger S, Bevins RA, & Li M (2013, Nov) The effects of phencyclidine on self-administration of nicotine: A novel hypothesis for the comorbidity of schizophrenia and nicotine abuse. 43rd Annual Meeting of the Society for Neuroscience, CA.

2014

Charntikov S, Pittenger S, Thapa I, Bastola D, Bevins RA, & Pendyala G * (2014, Jan) Strategies to prevent relapse in chronic methamphetamine abusers: Deciphering the synapse. Miami 2014 Winter Symposium: The molecular basis of brain disorders. Miami, FL.

Barrett ST*, Pudiak CM, Geary TA, & Bevins RA (2014, May) Females are more sensitive than males to sensory reinforcement and the value enhancing effects of nicotine and bupropion. Association for Behavior Analysis. Chicago, IL.

Carlo G*, Simpson J, Grant K, Martinez M, Pudiak CM, & Bevins RA (2014, July) Risk and Protective Correlates of METH-Associated Externalizing Problems among European American and U.S. Latino/a METH-Dependent Users. 76th Meeting of The College on Problems of Drug Dependency, Puerto Rico.

Charntikov S, Pittenger S, Swalve N, & Bevins RA* (2014, April) Interoceptive conditioning and nicotine reinforcement. 2014 Behavioral Pharmacology Society Meeting. San Diego, CA.

Falco AM* & Bevins RA (2014, Nov) Individual differences in forced and free-choice novelty differentially predict nicotine sensitization behaviors. 44th Annual Meeting of the Society for Neuroscience, DC.

Charntikov S*, Pittenger S, Swalve N, & Bevins RA (2014, Nov) The effect of appetitive interoceptive conditioning on nicotine reinforcement: a novel nicotine self-administration model. 44th Annual Meeting of the Society for Neuroscience, DC.

2015

Barrett ST*, Geary TN, Steiner A, Pudiak CM, & Bevins RA (2015, February) Nicotine, bupropion, and varenicline enhance reinforcer demand in male and female rats. Annual Meeting of the Society for Research on Nicotine and Tobacco, PA.

Pittenger ST*, Smith MD, Hoonakker A, Hanson GR, Fleckenstein AE, & Bevins RA, (2015, March) Investigation of sex differences in neurotensin following nicotine self-administration. Meeting of the American Society for Pharmacology and Experimental Therapeutics, Boston MA.

Fountain SB*, Pickens LRG, Renaud SM, Doyle KE, Miller ME, Sharp JL, Rowan JD, Bevins RA, Garlick D, & Blaisdell AP (2015, August) Serial pattern learning: Comparative cognition and neurobehavioral assessment. Annual Convention of the American Psychological Association.

Barrett S*, Lyon S, Pittenger ST, Duszenko N, & Bevins RA (2015, Oct) Evaluating the reward-enhancing effects of nicotine on ethanol self-administration in male and female rats. 45th Annual Meeting of the Society for Neuroscience, Chicago, IL.

Pittenger ST*, Barrett ST, Chou S, Charntikov S, & Bevins RA (2015, Oct) The effects of varenicline on methamphetamine self-administration and drug-primed reinstatement in male and female rats. 45th Annual Meeting of the Society for Neuroscience, Chicago, IL.

2016

Barrett ST, Thompson BM, Pittenger ST, Larsen CE, Emory JR, & Bevins RA (2016, Nov) Nicotine alters demand for alcohol reinforcement in male and female Sprague-Dawley and Wistar rats. 46th Annual Meeting of the Society for Neuroscience, San Diego, CA.

Pittenger ST*, Chou S, Barrett ST, & Bevins RA (2016, Nov) Examination of sex-dependent neural substrates correlated with meth-triggered reinstatement in rats. 46th Annual Meeting of the Society for Neuroscience, San Diego, CA.

Thompson BM*, Barrett ST, Emory JR, Larsen CE, Peer AM, Pittenger ST, & Bevins RA (2016, Nov) Interoceptive conditioning and reversal learning with the nicotine and varenicline stimulus. 46th Annual Meeting of the Society for Neuroscience, San Diego, CA.

UNDERGRADUATE THESES

- Jana Koznarova (1997) Nicotine-induced alteration in environmental familiarization. Undergraduate Thesis: Environmental Studies, University of Nebraska-Lincoln.
- Heather Jensen (1999) Shared neural mechanisms of cocaine and novelty reward: Implications for drug abuse. Honors Thesis: Department of Psychology, University of Nebraska-Lincoln.
- Sarah Eurek (2001) Nicotine-conditioned locomotor hyperactivity sensitive to the interstimulus interval. Honors Thesis: Department of Psychology, University of Nebraska-Lincoln.
- Tara Guretzky (2001) Extinction of a conditioned taste aversion and effect of novel stimuli on the aversion in rats. Honors Thesis: School of Biological Sciences, University of Nebraska-Lincoln.
- Angie Prescher (2006) The psychological and biochemical aspects of alcoholism and its treatment. Honors Thesis: Department of Biochemistry, University of Nebraska-Lincoln.
- Jill Rosno (2007) Nicotine as a conditioned stimulus: Extinction learning in rat models. Honors Thesis: Department of Psychology, University of Nebraska-Lincoln.
- Ayako Masuda (2008) Effects of mecamylamine on nicotine as an occasion setter in a Pavlovian drug discrimination task in rats. Honors Thesis: Department of Psychology, Univ. of Nebraska-Lincoln.
- Nicole Wells (2009) Weakening nicotine-evoked conditioned responding: Assessing transfer of extinction learning with bupropion. Honors Thesis: Department of Psychology, Univ. of Nebraska-Lincoln.
- Andrew Walker (2010) "Training nicotine as a negative feature results in retarded acquisition of a nicotine-evoked conditioned response in an appetitive Pavlovian conditioning task in rats" Honors Thesis: Department of Psychology, Univ. of Nebraska-Lincoln.
- Tra-My Hoang (2011) "Investigating the effects of bupropion on sucrose-response in female rats" Honors Thesis: Department of Psychology, Univ. of Nebraska-Lincoln.
- Amy Steiner (2014) "Pavlovian-to-instrumental transfer with nicotine as an interoceptive stimulus" Honors Thesis: Department of Psychology, Univ. of Nebraska-Lincoln.

MASTERS THESES

- Joyce Besheer (1999) Behavioral and neural properties of novel-object preference in rats. Department of Psychology, University of Nebraska-Lincoln.
- Matthew I. Palmatier (2001) Effect of caffeine pre-exposure on the subsequent unconditioned and conditioned effects of nicotine. Department of Psychology, University of Nebraska-Lincoln.
- Kartpagam K. Karthigeyan (2003) The role of behavioral and noradrenergic processes in a novel-object discrimination task. Department of Psychology, University of Nebraska-Lincoln. *Last known position*: Lecturer at Sunway University College, Selangor Malaysia
- Jamie L. Wilkinson [Simpson] (2005) An investigation of the behavioral and pharmacological properties of bupropion in rats. Department of Psychology, University of Nebraska-Lincoln.
- Jennifer E. Murray (2006) Nicotine conditional stimulus as a function of stimulus salience: Generalization and antagonism. Department of Psychology, University of Nebraska-Lincoln.
- Amanda M. Struthers [Dion] (2008) Nicotinic acetylcholine receptor antagonism of the conditional stimulus effects of nicotine. Department of Psychology, University of Nebraska-Lincoln. *Last known position*: Pharmacist Technician, Inpatient Pharmacy at the Providence Portland Hospital
- Scott T. Barrett (2013) Quantitative assessment of the reward enhancing effects of nicotine. Department of Psychology, University of Nebraska-Lincoln.
- Steven T. Pittenger (2013) Understanding the interoceptive stimulus: Investigating the role of associative processes in the nicotine conditioned stimulus. Department of Psychology, University of Nebraska-Lincoln.

R. Matthew Adams (2015) Observational learning in the jumping spider *Phidippus audax*. School of Biological Sciences, University of Nebraska-Lincoln.

DISSERTATIONS

- Joyce Besheer (2001) The behavioral impact of nicotine withdrawal. Department of Psychology, University of Nebraska-Lincoln. *Supported in part by:* National Research Service Award (F31-DA06092). *Current position:* Associate Professor of Psychiatry at UNC-Chapel Hill.
- Matthew I. Palmatier (2004) Drug modulators in appetitive Pavlovian conditioning. Department of Psychology, University of Nebraska-Lincoln. *Supported in part by:* National Research Service Award (F31-DA16179). *Current position:* Associate Professor of Psychology at East Tennessee State University.
- Carmela M. Reichel (2008) Competition between conditioned rewards: Novelty vs. cocaine. Department of Psychology, University of Nebraska-Lincoln. *Supported in part by:* National Research Service Award (F31-DA023283) and APA Dissertation Research Award. *Current position:* Assistant Professor of Neuroscience at Medical University of South Carolina.
- Jennifer E. Murray (2009) Cue competition involving the interoceptive stimulus effects of nicotine. Department of Psychology, University of Nebraska-Lincoln. *Supported in part by:* National Research Service Award (F31-DA025399), Psi Chi Research Grant, & APA Dissertation Research Award. *Current position:* Senior Research Associate & Affiliated Lecturer, Cambridge University.
- Jamie L. Wilkinson [Simpson] (2010) Role of affective associations in smoking and smoking cessation. Department of Psychology, University of Nebraska-Lincoln. *Supported in part by:* University of Nebraska Presidential Fellowship. *Current position:* Assistant Professor at Midland University.
- Scott T. Barrett (2014) Quantitative analysis of the value-enhancing effects of nicotine, bupropion, and varenicline in male and female rats. Department of Psychology, University of Nebraska-Lincoln. *Current position:* Post-doctoral Scholar in my lab.
- Sergey Charntikov (2015) Double dissociation of the anterior and posterior dorsomedial caudate-putamen in the acquisition and expression of associative learning with the nicotine stimulus. *Supported in part by:* National Research Service Award (F31-DA034449). *Current position:* Assistant Professor at University of New Hampshire.
- Steven T. Pittenger (2016) Examination of methamphetamine reinstatement in female and male rats: A preclinical model of relapse. Department of Psychology, University of Nebraska-Lincoln. *Awarded:* Outstanding Graduate Student Research Mentor. *Current position:* Post-doctoral Scholar, Yale University (Marina Picciotto)

OTHER TRAINEES (Post-Ph.D.)

- Robert Polewan (Post-doc, 2009-2011) *Current position:* Assistant Professor, Psychology Department, Stephen F. Austin State University, Nacogdoches, TX.
- Cindy Pudiak (Research Assistant Professor, 2013-2014) *Current position:* Medical Writer, Parexel, New York.
- Adriana Falco (Post-doc, 2013-2015) *Current position:* Assistant Professor, Psychology Department, Concord University, Athens, WV.
- Scott Barrett (Post-doc, 2014-present)
- Jennifer Murray (Research Assistant Professor, 2016-present)

COURSES TAUGHT (UNL)

- Behavioral Neuroscience (Psyc 465/865; BioSci 419/819)
- Learning & Motivation (Psyc 268)

- Learning Processes (Psyc 461/861)
- Psychoneuropharmacology (Psyc 464)
- Seminar in Physiological Psychology (Psyc 904)
- Seminar in Learning (Psyc 924)
- Professional Development & Ethics (Psyc 971/2)

PROFESSIONAL MEMBERSHIPS

- American Society for Pharmacology and Experimental Therapeutics
- American Psychological Association
- Behavioral Pharmacology Society
- International Study Group Investigating Drugs as Reinforcers
- Midwestern Psychological Association
- Pavlovian Society
- Society of the Quantitative Analysis of Behavior (SQAB)
- Society for Neuroscience
- Society for Research on Nicotine and Tobacco